

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 February 2001 (08.02.2001)

PCT

(10) International Publication Number
WO 01/09420 A2

- (51) International Patent Classification⁷: **D04H** Jörg; Nebelhormstrasse 63, D-86830 Schwabmünchen (DE).
- (21) International Application Number: PCT/IB00/01282
- (22) International Filing Date: 26 July 2000 (26.07.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|--------------|-------------------------------|----|
| 199 35 408.1 | 30 July 1999 (30.07.1999) | DE |
| 199 35 531.2 | 30 July 1999 (30.07.1999) | DE |
| 199 50 057.6 | 16 October 1999 (16.10.1999) | DE |
| 199 52 432.7 | 30 October 1999 (30.10.1999) | DE |
| 199 55 713.6 | 18 November 1999 (18.11.1999) | DE |
| 199 55 730.6 | 18 November 1999 (18.11.1999) | DE |
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
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- Published:
— Without international search report and to be republished upon receipt of that report.
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 01/09420 A2

(54) Title: NON-WOVEN LAMINATE COMPOSITE

(57) Abstract: The present invention provides non-woven laminate that is not subjected to final consolidation by a binder and the production thereof. The laminate includes at least one non-woven mat containing glass staple fibers pre-consolidated with a resin, and at least one non-woven layer of synthetic fibers. The synthetic non-woven layers and the pre-consolidated non-woven mat of glass fibers are bounded together by needling such that a portion of the fibers of the upper synthetic non-woven layer passes through the non-woven mat of glass fibers possibly through the underlying synthetic non-woven layer. The synthetic fibers are heat shrunk and the laminate is binder free.